

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A record carrier ~~(1)~~ having a first area ~~(3)~~ for storing information, and a second area ~~(4)~~, the second area comprising an integrated circuit ~~(4')~~, characterized in that the integrated circuit comprises, integrated therein, :

5 transmitting means ~~(11, 15)~~ for transmitting additional information; and

receiving means ~~(10, 12)~~ for receiving a power supply signal for supplying power ~~supply of to~~ the integrated circuit ~~are integrated in the integrated circuit~~, the receiving means

10 comprising a light-sensitive sensor, ~~for example, a photodiode (12),~~

wherein said integrated circuit comprises:

means for generating a first communication channel operating at a first frequency; and

15 means for generating a second communication channel operating at a second frequency, the first frequency being substantially unequal to the second frequency.

2. (Currently Amended) ~~A~~ The record carrier as claimed in claim 1, characterized in that the receiving means ~~(10, 12)~~ are also adapted to receiverreceives additional information.

3. (Currently Amended)      A-The record carrier as claimed in claim 1, characterized in that the integrated circuit ~~(41)~~ is contactlessly readable.

4. (Cancelled).

5. (Currently Amended)      A-The record carrier as claimed in claim 1, characterized in that the additional information comprises a key for scrambling and/or descrambling the information.

6. (Currently Amended)      A-The record carrier as claimed in claim 5, characterized in that the integrated circuit further comprises:  
\_\_\_\_\_ a memory in which the additional information is stored.

7. (Currently Amended)      A-The record carrier as claimed in claim 1, characterized in that the record carrier is a pre-recorded record carrier.

8. (Currently Amended)      A-The record carrier as claimed in claim 41, characterized in that the first frequency is in an optical frequency range and the second frequency is in a radio frequency range.

9. (Currently Amended) A method of manufacturing a record carrier-~~(1)~~, the method comprising the steps of:

a. receiving information~~7~~<sub>i</sub>

b. providing information on the record carrier-~~(1)~~<sub>i</sub>

5 c. providing an integrated circuit ~~(4)~~ on the record carrier ~~(1)~~, the integrated circuit comprising transmitting means ~~(11, 15)~~ for transmitting additional information and receiving means ~~(10, 12)~~ for receiving a power supply signal for supplying power ~~supply~~ ~~to~~ the integrated circuit, the receiving means comprising a  
10 light-sensitive sensor, ~~for example, a photodiode (12)~~  
wherein said integrated circuit comprises:

means for generating a first communication channel  
operating at a first frequency; and

means for generating a second communication channel  
15 operating at a second frequency, the first frequency being  
substantially unequal to the second frequency.

10. (Currently Amended) ~~A~~ The method as claimed in claim 9, characterized in that the receiving means ~~(10, 12)~~ ~~are also adapted to receive~~ also receives additional information.

11. (Currently Amended) ~~A~~ The method as claimed in claim 9, characterized in that the method comprises the further step of:

d. providing additional information in the integrated circuit.

12. (Currently Amended) A system for protecting information on a record carrier~~(1)~~, the system comprising a device ~~(6)~~ for reading and/or writing the information on the record carrier, and the record carrier~~(1)~~, the device comprising transmitting means ~~(7)~~ and receiving means ~~(16)~~ for transmitting and receiving additional information, and the record carrier comprising transmitting means ~~(11, 15)~~ for transmitting additional information and receiving means ~~(10, 12)~~ for receiving a power supply signal for supplying power ~~supply of~~ to the integrated circuit,

10 characterized in that the transmitting means ~~(11, 15)~~ and receiving means ~~(10, 12)~~ of the record carrier are integrated in an integrated circuit~~(4)~~, and the receiving means ~~(10, 12)~~ of the record carrier comprise a light-sensitive sensor, ~~for example, a photodiode~~ ~~(12)~~

15 wherein said integrated circuit comprises:

means for generating a first communication channel  
operating at a first frequency; and

means for generating a second communication channel  
operating at a second frequency, the first frequency being

20 substantially unequal to the second frequency.

13. (Currently Amended) A The system as claimed in claim 12, characterized in that the receiving means ~~(10, 12)~~ of the record carrier ~~are also adapted to receive~~ receives additional information.

14. (Currently Amended) A The system as claimed in claim 12, characterized in that the integrated circuit is contactlessly readable.

15. (Cancelled).

16. (Currently Amended) A The system as claimed in claim ~~15~~ 12, characterized in that transmitting means of the device comprises an optical transmitter, ~~for example, a LED (7), and the receiving means of the device a radio receiver (17), and the receiving means~~  
5 of the integrated circuit (4) comprises a light-sensitive sensor, ~~for example, a photodiode (12), and the transmitting means of the integrated circuit comprises~~ a radio transmitter ~~(11)~~.

17. (Currently Amended) A The system as claimed in claim ~~15~~ 12, characterized in that the first communication channel is adapted for supplying power ~~supply of to~~ the integrated circuit and for transmitting data ~~transmission~~.

18. (Currently Amended)     A The system as claimed in claim 12, characterized in that the additional information comprises an encryption algorithm for safety protection of the communication channels.

19. (Currently Amended)     A device for reading a record carrier ~~(1)~~ as claimed in claim 1, ~~which said device (6)~~ comprises comprising:

\_\_\_\_\_ detection means ~~(42)~~ for detecting optically readable  
5 signs representing the information, and receiving means ~~(16)~~ and transmitting means ~~(7)~~ for reading and receiving additional information stored in the integrated circuit ~~(41)~~.

20. (Cancelled).

21. (Currently Amended)     A The device as claimed in claim 19, wherein the device comprises write means for providing optically readable signs on a recordable record carrier.

22. (Currently Amended)     A device for reading additional information present in the integrated circuit on the record carrier as claimed in claim 1, wherein the device comprises:

\_\_\_\_\_receiving means ~~(16)~~ and transmitting means ~~(7)~~ for  
5 reading and receiving additional information stored in the  
integrated circuit ~~(4')~~.

23. (Currently Amended) An integrated circuit comprising  
transmitting means ~~(11, 15)~~ for transmitting additional  
information, and receiving means ~~(10, 12)~~ for receiving a power  
supply signal for supplying power ~~supply of to~~ the integrated  
5 circuit, the receiving means comprising a light-sensitive sensor,  
wherein said integrated circuit comprises:

means for generating a first communication channel  
operating at a first frequency; and

means for generating a second communication channel  
10 operating at a second frequency, the first frequency being  
substantially unequal to the second frequency ~~for example, a~~  
~~photodiode (12).~~

24. (Currently Amended) ~~An~~ The integrated circuit as claimed in  
claim 23, wherein the receiving means ~~(10, 12)~~ ~~are also adapted to~~  
~~receiver~~ receives additional information.